

DISC HEAD SLIDERS HAVING SPECIALIZED CAVITY CONFIGURATIONS

ABSTRACT OF THE DISCLOSURE

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A disc head slider having a slider body that includes a bearing surface, a cavity dam and a sub-ambient pressure cavity is provided. The sub-ambient pressure cavity has a cavity floor, a plurality of sides and a depth that progressively varies between a point on one of the sides and a corresponding point on an opposing side. The depth is measured from the bearing surface to the cavity floor. The cavity floor comprises a plurality of substantially flat bottom surfaces that are separated by at least one elevational change. Other embodiments pertain to other specialized slider cavity configurations.

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